

REMARKS

Claims 1-34 remain pending in the present application. Claims 1, 8, 9, 11, 13-15, 19, 22, 25, 28 and 31 have been amended. Basis for the amendments can be found throughout the specification, claims and drawings as originally filed.

REJECTION UNDER 35 U.S.C. § 102

Claims 1-10 are rejected under 35 U.S.C. § 102(b) as being anticipated by Baker, et al. (U.S. 2002/0119778 A1). Applicants respectfully traverse this rejection. Claims 1, 8 and 9 have been amended to define that the plurality of send packets is sent synchronously through the plurality of channels being defined by the different frequency. The synchronous sending of the plurality of send packets is inherent in the parallel operation of the present invention. If a communication device has only one antenna, the antenna can operate in only a sending mode or a receiving mode which is switchable. According to the present invention, as illustrated in the attached sketch (2), the sending mode period can be minimized due to this synchronization, enabling the sending or receiving of more packets. The specification on page 10, lines 15-17; page 18, lines 22-24; Figure 3 (S5, S7); Figure 4B, 5B, etc. provide support for this limitation.

Baker, et al. ('778) teaches a communication system in which packets P1-P4 are sent asynchronously and not synchronously. According to Baker, et al., as shown in the attached sketch (1), the sending mode period cannot be shortened for sending or receiving more packets.

Thus, Applicants believe Claims 1, 8 and 9, as amended, patentably distinguish over the art of record. Likewise, Claims 2-7 and 10, which ultimately depend from one

of these claims are also believed to patentably distinguish over the art of record. Reconsideration of the rejection is respectfully requested.

REJECTION UNDER 35 U.S.C. § 103

Claims 11-33 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Bender, et al. (U.S. 2004/0190471 A1) in view of Baker, et al. (U.S. 2002/0119778 A1). Claim 34 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Baker, et al. (US 2002/0119778 A1) in view of Dahlman, et al. (U.S. Pat. No. 6,907,005 B1). Independent Claims 11, 13-15, 19, 22, 25, 28 and 31 have been amended in a similar manner as Claims 1, 8 and 9. As the Examiner admits, Bender, et al. does not show a plurality of channels where a plurality of beacons, registration, authentication packets are sent and each of the channels being defined by a different frequency. Bender, et al. does not teach sending packets in parallel, let alone sending the packets synchronously. The discussion of Baker, et al. above applies here also.

Thus, Claims 11, 13-15, 19, 22, 25, 28 and 31, as amended, are believed to patentably distinguish over the art of record. Likewise, dependent Claims 12, 16-18, 20, 21, 23, 24, 26, 27, 29, 30 and 32-34 are also believed to patentably distinguish over the art of record.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider and withdraw all presently outstanding rejections. It is

believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

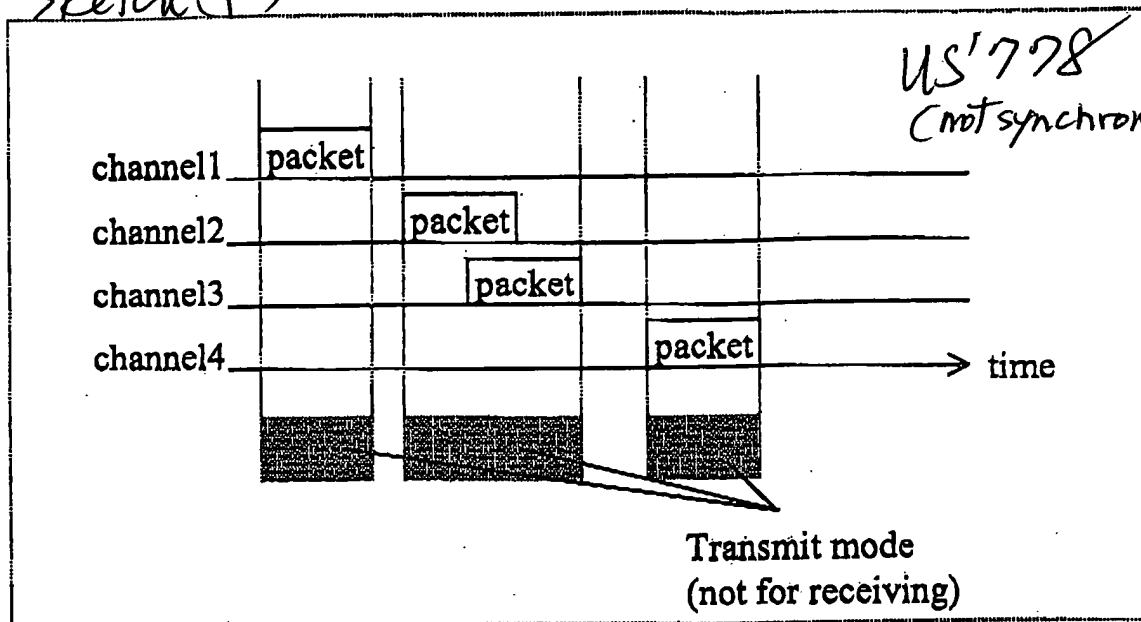
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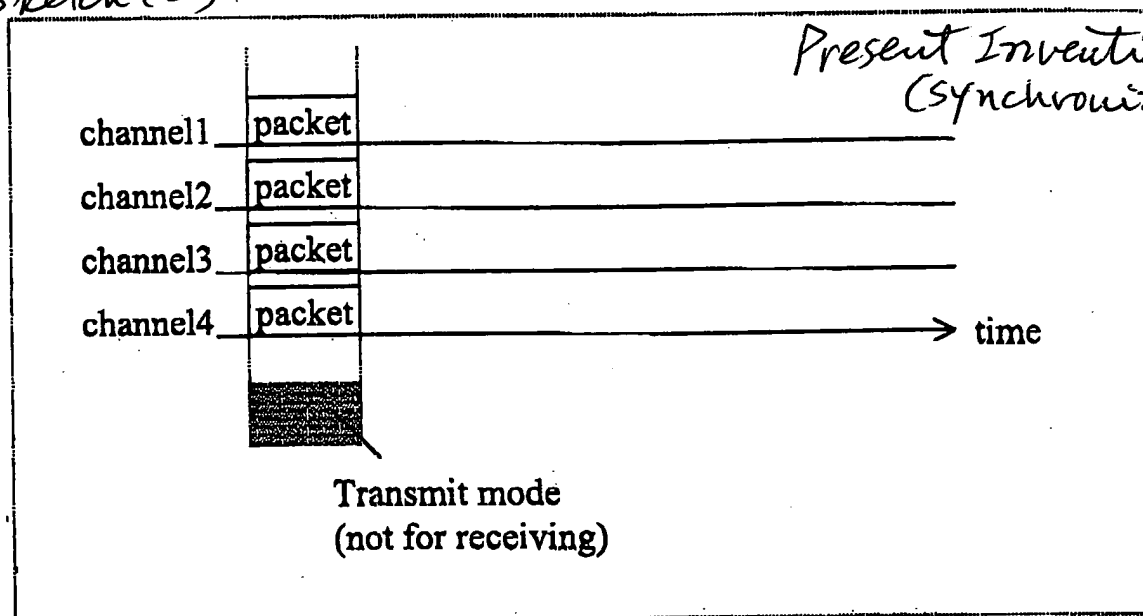
MJS/pmg

Sketch (1)



Sketch (2)

~~参考図1 引例1での伝送例(Async)~~



~~参考図2 本発明での伝送例(Sync)~~